

## INFORMATION PERSONALIZATION BY PARTIAL EVALUATION

### ABSTRACT OF THE DISCLOSURE

5 A systematic modeling methodology for information personalization  
automatically adjusts information content, structure, and presentation to an  
individual user of the information. Termed PIPE (Personalization is Partial  
Evaluation), the invention makes no commitments to a particular algorithm,  
format for information resources, type of information-seeking activities or,  
more basically, the nature of personalization delivered. Instead, it  
10 emphasizes the modeling of an information space in a way where  
descriptions of information-seeking activities can be represented as partial  
information. Such partial information is then exploited (in the model) by  
*partial evaluation*, a technique popular in the programming languages  
community.